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ALGORITHM  GermanFlag(A[0..n-1])
    // Creates and returns a new array that contains the elements of the input array ordered like the
    // colors of the German flag.
    // Input: any array with elements in ["B", "R", "Y"] or an empty array.
    // Output: an array with the input array's elements ordered by B, R, and Y.
    B ← array(n)
    CharArray ← ["B", "R", "Y"]
    i ← 0
    for char1 in CharArray do
        for char2 in A do
            if char2 = char1
                B[i] ← char2
                i ← i + 1
    return B
```